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KERRIER RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

together with the

ANNUAL REPORT

OF THE

CHIEF PUBLIC HEALTH INSPECTOR



P R E F A C E

Public Health Dept.,
The Willows,
HELSTON.
June, 1960.

To the Chairman & Members of the Rural District Council

Mr. Chairman, Ladies & Gentlemen,

I have pleasure in submitting the Annual Report of the Medical Officer of Health on the work of the Public Health Department, for the year 1959. It has been prepared in accordance with the instructions of Ministry of Health circular 1/60 dated 8th. January, 1960.

In October 1959, Dr. J.F. McCourt resigned and I took over my duties on 1st. February 1960, accordingly it is only possible to comment on records available in the department. The population rose by 540 from last year's figure of 21,980. The natural increase i.e. the excess of births over deaths was 74. The death, birth and infant mortality rates fell, indeed the infant mortality rate of 6.58 per 1,000 births is the lowest on record, but the stillbirth rate rose last year to 34.92 deaths per 1,000 live and stillbirths.

The case incidence of pulmonary tuberculosis rose to 0.5 per 1,000 population.

I am,

Your obedient Servant,

J.A.W. REID,

MEDICAL OFFICER OF HEALTH

Area Health Office,
Station Hill,
REDRUTH.

Tel. No: Redruth 711/2

SECTION A

1. Statistics

Area in acres	90,989
Estimated mid-year population	22,520
Average number of persons per acre	0.23
Number of inhabited houses	7,210
Average number of inhabited houses per acre	0.079
Average number of persons per house	3.
Rateable value	£171,128.
Product of a penny rate	£689.

Live Births and Birth Rate

The following is the number of live births registered in the Rural District during 1959:-

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	141	144	285
Illegitimate	5	14	19
<u>Totals</u>	<u>146</u>	<u>158</u>	<u>304</u>

This shows a decrease of 32 live births over 1958 and gives a Crude Birth Rate of 13.5 per 1,000 population compared with 15.28 for 1958.

The Comparability Factor for births supplied by the Registrar General for 1959 is 1.06. In comparing the birth rate of Kerrier with the country as a whole, the local figure must first be multiplied by this factor before any valid comparison can be made, as this allows for differences in population structure.

The following table gives the number of births and crude birth rates for Kerrier over the past 6 years and a comparison between the birth rates for Kerrier and the country as a whole.

Year	Kerrier number of Births	Kerrier Crude Birth Rate	Kerrier adjusted Birth Rate i.e. multiplied by Comparability Factor	England & Wales Birth Rate
1954	276	12.45	13.32	15.2
1955	265	12.50	13.37	15.0
1956	289	12.71	13.59	15.6
1957	311	13.86	14.69	16.1
1958	336	15.28	16.19	16.4
1959	304	13.5	14.31	Not available

The general trend is for an increase in birth rate in the Rural District, but the figures are slightly below the national average.

Stillbirths

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	6	5	11
Illegitimate	5	5	10
<u>Totals</u>	<u>11</u>	<u>10</u>	<u>21</u>

SECTION A

1. Statistics

Area in acres	30,383
Estimated mid-year population	22,320
Average number of persons per acre	0.73
Number of inhabited houses	7,210
Average number of inhabited houses per acre	0.24
Average number of persons per house	3
Rateable value	£171,128
Product of a penny rate	£1,711

Live Births and Birth Rate

The following is the number of live births registered in the Rural District during 1939:-

Total	Female	Male	Total
285	151	134	285
19	10	9	19
304	161	143	304

This shows a decrease of 32 live births over 1938 and gives a crude birth rate of 12.5 per 1,000 population compared with 13.38 for 1938.

The Comparability Factor for births supplied by the Registrar General for 1939 is 1.00. In comparing the birth rate of Rurter with the country as a whole, the local figure must first be multiplied by this factor before any valid comparison can be made, as this allows for differences in population structure.

The following table gives the number of births and crude birth rates for Rurter over the past 5 years and a comparison between the birth rates for Rurter and the country as a whole.

Year	Number of Births	Crude Birth Rate	Comparability Factor	Rate adjusted by Factor
1939	285	12.5	1.00	12.5
1938	317	13.38	1.00	13.38
1937	311	13.27	1.00	13.27
1936	308	13.17	1.00	13.17
1935	307	13.10	1.00	13.10
1934	310	13.25	1.00	13.25
1933	336	14.28	1.00	14.28
1932	341	14.51	1.00	14.51
1931	341	14.51	1.00	14.51

The General trend is for an increase in birth rate in the Rural District, but the figures are slightly below the national average.

Statistics

Total	Female	Male	Total
11	5	6	11
11	5	6	11

Stillbirths - Comparison over last 6 years

Year	Total Still births	Still Birth Rate per 1,000 estimated population	Still Birth Rate per 1,000 live & stillbirths
1954	10	0.45	34.96
1955	17	0.80	60.28
1956	10	0.44	33.44
1957	7	0.31	22.01
1958	8	0.36	23.25
1959	11	0.49	34.92

Total live and stillbirths 315

Infant Mortality

Deaths of Infants under one year of age

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	-	1	1
Illegitimate	-	1	1
<u>Totals</u>	-	2	2

This gives an Infant Mortality Rate of 6.58 per 1,000 live births,

Legitimate rate per 1,000 legitimate live births ... 3.51

Illegitimate rate per 1,000 illegitimate live births ... 52.63

The following shows the Infant Deaths and Mortality Rate over the past 6 years:-

	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>
<u>Deaths</u>	6	10	20	3	8	2
<u>Mortality</u>						
<u>Rate per</u>	21.7	37.73	69.2	9.63	22.5	6.58
<u>1,000 live</u>						
<u>births</u>						

Neo-Natal Mortality

Deaths of Infants under 4 weeks

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	-	1	1
Illegitimate	-	1	1
<u>Totals</u>	-	2	2

Neo-Natal Mortality Rate per 1,000 live births ... 6.58

Illegitimate live births percentage of total live births ... 6.67

Comparison over past 6 years

	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>
<u>Neo-</u>						
<u>Natal</u>	3	6	17	1	3	2
<u>Deaths</u>						
<u>Mortality</u>						
<u>Rate per</u>	10.86	22.64	58.83	3.21	8.93	6.58
<u>1,000 live</u>						
<u>births</u>						

Deaths of Infants under 1 week 1 female (legitimate)

The first 4 weeks are the most dangerous in the life of a child. The following table shows that a high proportion of deaths of infants under 1 year, occur in the first 4 weeks of life.

	1954	1955	1956	1957	1958	1959
Infant Deaths (i.e. under 1 year)	6	10	20	3	8	2
Neo-Natal Deaths (i.e. under 4 weeks)	3	6	17	1	3	2
Percentage of Infant Deaths under 4 weeks	50%	60%	85%	33%	37%	100%

Maternal Mortality

I am happy to be able to say that there were no maternal deaths in 1959.

Deaths and Death Rate

The following are the numbers of deaths which occurred in the Kerrier Rural District in 1959:-

<u>Males</u>	<u>Females</u>	<u>Total</u>
119	111	230

The total of 230 is 20 less than in 1958 and gives a Crude Death Rate for 1959 of 10.21 per 1,000 estimated population compared with 11.37 for 1958.

The Area Comparability Factor for deaths supplied by the Registrar General for Kerrier in 1959 is 0.99. In general, death rates are higher among males than females at all ages and also among the very young and very old. Therefore the death rates of an area will depend not only on the healthiness of its environment, but also on whether there are more men than women and whether there are many very young and very old people in the community.

No comparison of local death rates with those of another area or with the country as a whole would be valid unless this sex and age element in the population was first eliminated and this is done by multiplying the Crude Death Rate by the Comparability Factor. The factor for Kerrier is 0.99 and being slightly less than one, indicates that the composition of the population in itself tends to produce a slightly high crude death rate.

Thus, while the crude death rate for Kerrier in 1959 is 10.21, the adjusted rate for comparison with the country as a whole is 10.11.

The following table shows the deaths and crude death rates for Kerrier Rural District and also the adjusted rates compared with those for England and Wales.

Year	Kerrier Number of Deaths	Kerrier Crude Death Rate	Kerrier adjusted Death Rate	England & Wales Death Rate
1954	247	11.14	10.14	11.3
1955	232	10.94	9.98	11.7
1956	269	11.82	11.58	11.7
1957	220	9.79	9.69	11.5
1958	250	11.37	11.25	11.7
1959	230	10.21	10.11	Not available

Population

Year	Registrar General's Estimated Population	Births	Deaths	Natural increase i.e. excess Births over Deaths
1949	20,000	310	261	+ 49
1950	21,360	278	279	- 1
1951	21,760	327	300	+ 27
1952	21,520	286	261	+ 25
1953	21,510	309	235	+ 74
1954	22,170	276	247	+ 29
1955	22,200	265	232	+ 33
1956	22,750	289	249	+ 40
1957	22,440	311	220	+ 91
1958	21,980	336	250	+ 86
1959	22,520	304	230	+ 74

Deaths from all Causes 1959

	<u>Males</u>	<u>Females</u>	<u>1959 Total</u>	<u>1958 Total</u>
1. Tuberculosis, respiratory	1	-	1	1
2. Tuberculosis, other forms	-	1	1	1
3. Syphilitic Disease	-	-	-	-
4. Diphtheria	-	-	-	-
5. Whooping Cough	-	-	-	-
6. Meningococcal Infections	-	-	-	-
7. Acute Poliomyelitis	-	-	-	-
8. Measles	-	-	-	-
9. Other Infective & parasitic diseases	-	-	-	1
10. Cancer of stomach	3	4	7	4
11. Cancer of lung	6	1	7	5
12. Cancer of breast	1	4	5	8
13. Cancer of uterus	-	2	2	2
14. Other cancers	16	7	23	42
15. Leukaemia	1	-	1	-
16. Diabetes	-	-	-	2
17. Vascular lesions of nervous system ..	16	19	35	37
18. Coronary disease	19	8	27	19
19. Hypertension with Heart Disease	1	3	4	4
20. Other heart disease	19	33	52	70
21. Other circulatory disease	3	3	6	6
22. Influenza	1	-	1	1
23. Pneumonia	4	4	8	3
24. Bronchitis	3	2	5	5
25. Other diseases of respiratory system	1	-	1	2
26. Ulcer of stomach & duodenum	2	-	2	2
27. Gastritis, enteritis & diarrhoea	-	2	2	1
28. Nephritis and Nephrosis	4	1	5	2
Carried Forward	<u>101</u>	<u>94</u>	<u>195</u>	<u>218</u>

Deaths from all Causes 1959 (continued)

	<u>Males</u>	<u>Females</u>	<u>1959</u> <u>Total</u>	<u>1958</u> <u>Total</u>
Total brought forward	101	94	195	218
29. Hyperplasia of prostate	3	-	3	2
30. Pregnancy, childbirth, abortion	-	-	-	-
31. Congenital malformations	-	1	1	1
32. Other defined & ill-defined diseases	6	9	15	17
33. Motor vehicle accidents	3	1	4	6
34. All other accidents	5	3	8	4
35. Suicide	1	3	4	2
36. Homicide & operations of war	-	-	-	-
<u>Totals</u>	<u>119</u>	<u>111</u>	<u>230</u>	<u>250</u>

Comment

Diseases of the Heart and Circulatory system collectively were by far the commonest cause of death, and numbered 124 compared with 136 in 1958 a decrease of 12.

Cancer accounted for 44 deaths and was the second commonest cause of death, and showed a decrease of 17 over the total for 1958. Respiratory disease accounted for 6 deaths.

SECTION B

General Provision of Health Services

This section covers both Kerrier Rural District and Helston Borough, as all services are shared alike between them, and certain services, such as Home Help are provided for both areas without distinction.

Hospital Services

Patients may be treated at Camborne-Redruth General Hospital, The Royal Cornwall Infirmary, Truro, The Falmouth and District Hospital, The West Cornwall Hospital, Penzance or Helston Cottage Hospital, depending on the needs and residence of the patient.

Tuberculosis inpatient treatment is centred at Tehidy Hospital, Camborne, and out-patient and contact clinics are held at Camborne, Falmouth and Penzance.

The Geriatric Unit is centred at Barncoose Hospital, Redruth, with annexes at Meneage House, Helston and Budock House, Falmouth.

Midwifery, Nursing and Health Visiting Services

Home Nursing and midwifery are undertaken by the District Nurse Midwives, who are also Health Visitors, with responsibility for the care of children up to school age.

Staff Complement

Kerrier	...	...	11 all purpose nurses 1 Part-time T.B. Visitor
Helston	...	...	2 Nurse Midwives 1 Full-time Health Visitor
Porthleven	...	...	1 all purpose nurse

The work in the districts has proceeded well. In the more rural districts the nurse covers all duties, being general nurse, midwife, school nurse and health visitor. She is a practical nurse and a social worker coping with the difficulties of a scattered population to the best of her ability, and regarding the responsibilities of Health Teacher as an important part of her work.

In Helston district there are excellent attendances at the organised Welfare Clinics, Ante-Natal Educational Classes and now at the Parents Club started in 1957 and held in the Band Room. Various speakers are invited to talk on special subjects associated with the important business of Parenthood. The membership grows and the attendances justified the experiment.

An Infant Welfare Clinic is held weekly (Wednesday afternoon) at Meneage Hospital, Helston, and is principally attended by mothers and children from the Borough itself although some parents attend from further afield.

Home Help Service

The Service is administered by the W.V.S. from the offices of Kerrier Rural District Council, and covers most of the area except some parts near Falmouth, and in the North of the district nearer Camborne and Redruth, which are supplied with Home Helps from their respective nearest centres.

Home Helps are mainly for maternity cases, general illness in the home, including Tuberculosis and for Aged & Infirm persons.

Dental Services

These are provided by the County Council under the direction of a Chief Dental Officer. Each school is periodically visited, and when treatment is required, arrangements are made for attendance at Meneage House, Helston, where dental clinic sessions are held weekly. Treatment is also provided at the clinic for pre-school children and nursing mothers when referred by the appropriate Medical Officer.

SECTION C

INFECTIOUS DISEASES

Notifications of Infectious Diseases during the year 1959 with comparative figures for the four preceding years.

Helston & Kerrier Districts (combined)

Disease	1959		Total	1958	1957	1956	1955
	Kerrier	Helston					
Typhoid Fever	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-
Meningococcal Infection	-	-	-	-	-	-	-
Scarlet Fever	2	-	2	8	3	25	11
Whooping Cough	-	-	-	9	50	5	52
Diphtheria	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-
Measles	106	22	128	596	158	242	390
Pneumonia	-	-	-	2	6	2	3
Acute Poliomyelitis							
Paralytic	-	-	-	1	11	-	-
Non-Paralytic	1	-	1	-	1	-	-
Food Poisoning	1	-	1	-	-	-	-
Puerperal Pyrexia	2	-	2	2	-	-	-
Dysentery	-	-	-	-	-	-	-
Acute Encephalitis	-	-	-	1	-	-	-
Ophthalmia Neonatorum	-	-	-	-	-	-	-
Tuberculosis							
Pulmonary	3	4	7	18	14	19	17
Non-Pulmonary	1	-	1	4	4	-	4

Poliomyelitis

No cases of poliomyelitis were notified in the Borough during the year but one non-paralytic in Kerrier.

Measles

Measles continued to occur during the first half of the year - 128 cases were notified. The epidemic commenced in June, 1958 and spread through the child population.

Food Poisoning

A late notification was received of food poisoning in a farm worker. At the time of the interview the patient could not remember food stuff eaten before the onset of symptoms. Salmonella Typhi-Murium Type I B was isolated from a faeces sample. Upset cleared rapidly on treatment with Chloramphenicol.

IMMUNISATION & VACCINATION

Vaccination against Poliomyelitis

1959 saw a continuation of the scheme for immunisation against poliomyelitis which commenced in 1956 and which catered for all persons up to 25 years together with expectant mothers, doctors and ambulance staff and their families.

During 1959 the following were vaccinated against poliomyelitis in the Helston and Kerrier area.

Helston Borough 1959

	Received 2 injections		2nd. injections	3rd. injection
	Under 15 yrs.	Over 15 yrs.		
County Council Clinics	41	64	105	266
General Practitioners	208	338	546	823
Totals	249	402	651	1089

Total immunised against poliomyelitis in Helston Borough since the beginning of the scheme in 1956:-

Two injections ... 2068
Three injections ... 1303

Kerrier Rural District 1959

	Received 2 injections		2nd. injections	3rd. injection
	Under 15 yrs.	Over 15 yrs.		
County Council Clinics	137	130	267	837
General Practitioner	490	407	897	1542
Totals	627	537	1164	2379

Total immunised against poliomyelitis in Kerrier Rural District since the beginning of the scheme in 1956:-

Two injections ... 4168
Three injections ... 2625

Diphtheria Immunisation

No cases of diphtheria were notified during the year in the Helston and Kerrier districts.

Immunisation against diphtheria continued at a reasonably satisfactory level and the following are the numbers immunised in the area:-

Helston Borough

Diphtheria/Whooping Cough/Tetanus

	<u>Primary</u>	<u>Booster</u>
0 - 5 years	140	1
5 - 15 years	<u>1</u>	<u>8</u>
<u>Totals</u>	<u>141</u>	<u>9</u>

Combined Diphtheria/Whooping Cough or Diphtheria/Tetanus

	<u>Primary</u>	<u>Booster</u>
0 - 5 years	2	-
5 - 15 years	<u>1</u>	<u>2</u>
<u>Totals</u>	<u>3</u>	<u>2</u>

Diphtheria

	<u>Primary</u>	<u>Booster</u>
0 - 5 years	-	-
5 - 15 years	-	<u>58</u>
<u>Totals</u>	-	<u>58</u>

Kerrier Rural DistrictDiphtheria/Whooping Cough/Tetanus

		<u>Primary</u>	<u>Booster</u>
0	- 5 years	244	-
5	- 15 years	11	39
	<u>Totals</u>	<u>255</u>	<u>39</u>

Combined Diphtheria/Whooping Cough or Diphtheria Tetanus

		<u>Primary</u>	<u>Booster</u>
0	- 5 years	-	1
5	- 15 years	1	42
	<u>Totals</u>	<u>1</u>	<u>43</u>

Diphtheria

		<u>Primary</u>	<u>Booster</u>
0	- 5 years	-	1
5	- 15 years	8	139
	<u>Totals</u>	<u>8</u>	<u>140</u>

Smallpox Vaccination

The following vaccinations were carried out in 1959:-

<u>Helston B.C.</u>	<u>Primary</u>	<u>Re-Vaccination</u>	<u>Total</u> <u>1959</u>	<u>Total</u> <u>1958</u>
0 - 5 years	87	6	93	100
5 - 15 years	2	13	15	9
Over 15 years	5	9	14	17
<u>Totals</u>	<u>94</u>	<u>28</u>	<u>122</u>	<u>126</u>

<u>Kerrier R.D.C.</u>	<u>Primary</u>	<u>Re-vaccination</u>	<u>Total</u> <u>1959</u>	<u>Total</u> <u>1958</u>
0 - 5 years	107	7	114	115
5 - 15 years	5	9	14	16
Over 15 years	10	26	36	25
<u>Totals</u>	<u>122</u>	<u>42</u>	<u>164</u>	<u>156</u>

Smallpox vaccination is at a low level and has been for many years. Only about 30% of parents have their children vaccinated.

It is estimated that about 65% of the children under 5 years have been immunised against diphtheria. While this is fairly good, I should prefer to see this figure over 70%

Tuberculosis

During 1959 there were 23 new cases of tuberculosis notified in Helston and Kerrier area, 20 pulmonary and 3 non-pulmonary. Five persons who suffered from tuberculosis died during the year. Three of these, tuberculosis was not the principal cause of death.

Age Distribution of New Cases & Mortality during 1959

Kerrier	NEW CASES						DEATHS					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Ages												
0 - 1 yrs.	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5 yrs.	-	-	-	-	-	-	-	-	-	-	-	-
5 - 15 yrs.	-	-	-	-	-	-	-	-	-	-	-	-
15 - 45 yrs.	1	5	6	-	2	2	-	-	-	-	-	-
45 - 65 yrs.	6	-	6	-	-	-	-	-	-	-	-	-
65 & over	-	-	-	-	1	1	1	-	1	-	1	1
<u>Totals</u>	<u>7</u>	<u>5</u>	<u>12</u>	<u>-</u>	<u>3</u>	<u>3</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>1</u>

Helston Borough

Ages	NEW CASES						DEATHS					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
0 - 1 yr.	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5 yrs.	1	-	1	-	-	-	-	-	-	-	-	-
5 -15 yrs.	1	1	2	-	-	-	-	-	-	-	-	-
15 -45 yrs.	-	2	2	-	-	-	-	-	-	-	-	-
45 -65 yrs.	2	-	2	-	-	-	2	-	2	-	-	-
65 & over	1	-	1	-	-	-	1	-	1	-	-	-
Totals	5	3	8	-	-	-	3	-	3	-	-	-

During the year 26 persons were classed as recovered from tuberculosis and were removed from the Tuberculosis Register. 12 persons suffering from tuberculosis were transferred in from other areas and 10 left the district.

The number of cases of tuberculosis on the Notification Register at 31st. December, 1959, was as follows, with the figures for 1958 in brackets:-

Kerrier ... 136 (149)
Helston ... 51 (55)

B.C.G. vaccine was given to 10 contacts of cases in the Kerrier district and to 10 contacts in Helston, also 44 school contacts in Kerrier, 24 remote contacts in Kerrier & 14 in Helston.

B.C.G. for Schoolchildren

B.C.G. vaccine is available for schoolchildren aged 13 - 14 years prior to their leaving school. The following are the figures for the Kerrier and Helston area of children so protected during 1959.

No. of children skin tested & inspected 193
No. giving positive skin reaction 39
No. of children with negative reaction 152
No. given B.C.G. 151

SECTION D.

SANITARY CIRCUMSTANCES OF THE AREA.

Water supplies in the area during the twelve months under review have been well maintained. No restriction was placed on consumers where piped supplies are available.

The average daily production of water from the various pumping plants is as follows:-

Trerise	49,000	gallons per day
Lizard	9,000	-do-
Mullion	45,000	-do-
Mill Mehal	85,000	-do-

Total	188,000	gallons per day.
	=====	

Stithians 1st Phase Scheme.

The above-mentioned Scheme has been completed during the year thereby affording a piped supply of water to the major portions of the Parishes of Mabe, St.Gluevias and Stithians.

Breage & Germoe Water Scheme.

The extension to serve properties at Tresowas, Balwest, Great Work, Herland Groat and Trewithen Terrace has been completed. It is anticipated that a further extension to serve the hamlets of Trescowe, Trescowe Common and Millpool will commence in the year 1960.

Manaccan Water Scheme. Extension to Porthallow.

Work has commenced on the above-mentioned extension and approximately 92% of the work has been completed.

Public Wells.

Supplementing the work done the previous year in connection with the closing of the public wells serving The Lizard Area. Statutory action was taken this year to close all the public wells served by the Manaccan & District Water Scheme. This in effect closes all the public wells in The Lizard Peninsula with the exception of those serving isolated hamlets not catered for in the mains schemes.

A number of areas mainly in the north of the District continue to depend upon public wells, chutes etc. These are regularly sampled and kept in a good state of general repair. As in previous years where sampling has shown the water to be unsatisfactory, notices have been displayed requesting users to boil the water before use.

Mains Water Supplies.

Numerous samples were taken from various points of the Council's piped water supplies which produced the following results:-

Satisfactory	26
Unsatisfactory	1

With regard to the above unsatisfactory report a subsequent sample proved to be satisfactory.

Tabulated below is a record of the samples taken for bacteriological analysis from Public Wells together with the various results obtained therefrom.

Number of samples taken	121
Number of samples being satisfactory	60
Number of samples being unsatisfactory	38
Number of samples being suspicious	23

PARTICULARS OF WATER SAMPLES TAKEN FROM PUBLIC WELLS FOR 1959.

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
<u>BREAGE</u>												
Trescowe Council Hses									U			
2 Chimneys Car: Site						S			S			
Trew				S							U	
Trescowe Pump									U			
Breage Chute				S							S	
Tresowas Green				S							S	
Chute, Godolphin				U							U	
<u>BUDOCK</u>												
Lamanva	D									U		
Trevera Pump	S									S		
Trevera Council Hses	U									S		
Elmgrove Cotts, Lamanva	D											
<u>CONSTANTINE</u>												
Nr. Gweek Inn						U						
Now Row, Gweek											UU	
Off lane to Jobs Water			D									
Brillwater Cott						S						
Brill Chute						S						
Nr. School, Constantine	S											
Sevorgan										U		
Chute, Comfort						S						
Nr. General Stores						S					S	
Medlyn's Shop, Constantine						D					D	
Penbothidnow Ccl Hses	D											
High Cross, Constantine		D										
<u>CROWAN</u>												
Blackrock									D			
Crowan									S			
Horsedowns									S			
Releath		S						S				
Below Vicarage, Crowan									D			
Standpipe, Nancegollan		S							S			
<u>GERMOE</u>												
S. Rotary, Germoe						U						
Trewithen Terrace									S			
Millpool									U			
Tresowas Hill									S			
<u>GRADE-RUAN</u>												
Kuggar							D					
<u>MABE</u>												
Rose-in-Valley	U										U	
Higher Spargo	D										D	
Halvossa			S								D	
<u>MAWGAN</u>												
Drytree Camp	U				S							
<u>MAWGAN</u>												
Nr. Barrepa Farm			U									

/Continued overleaf

PARTICULARS OF WATER SAMPLES TAKEN FROM PUBLIC WELLS FOR 1959 (Continued)

Location	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
<u>ST. GLUVIAS.</u>												
Ponsanooth						S						
Treluswell Chute			U								U	
Cosawes Estate						S			S			
Nr. Stag Hunt Inn						S						
Cosawes Caravan Site						SS						
Caravan, Treluswell			D									
Laity Moor.						S						
Penrose Slaughterhouse						U			S			
Nr. Post Office.									S			
<u>ST. KEVERNE</u>												
Traboe Ccl Hses					D							
Nr. Traboe Farm					U							
Traboe Green					U							
<u>ST. MARTIN</u>												
Bishops Quay					S							
<u>SITHNEY</u>												
Prospidnick									S			
Boscadjack Green									D			
Sithney Green									D			
Sithney									U			
Chynale Chute									S			
Prospidnick Hill									U			
Boscadjack Mill									U			
<u>STITHIANS</u>												
Long Downs			S								U	
Herniss											U	
Carncrease										U		
Penhalurick										U		
Hendra Close								S				
Gribbes Corner							S					
<u>WENDRON</u>												
Carnmenellis Chute			D							U		
Polhigey Moor			D							S		
Treloquithack		S								S		
Golden Lion			S									
Trehear			S				S					
Chute Nr. Viscar Farm										D		
Yellow Works			S									
Chute Halwin			S									
Tap, Lestraynes Lane	U						U					
Medlyn Moor			S							S		
Village Pump, Carnkie			D							S		
Trinity Close			S							S		
Crelly							U					
Standpipe, Porkellis	S	S								S		
Retannah Cottages							U					
Pump, Lestraynes Lane	S											
Appledene, Porkellis	U	U										
Pipe, Treloquithack		D										
Polhigey Terrace										D		
Burhos							U					
Nr. Chapel, Burhos		S					U					
Lr. Bridge, Porkellis		S										

S Satisfactory

U Unsatisfactory

D Doubtful

Drainage and Sewerage.

It is rather disappointing to have to report that no sewerage schemes came into operation during the year. However, the schemes for St. Keverne, Nancegollan and Constantine were brought to a very forward stage and it is hoped to commence works on all three during 1960 to meet the very urgent needs in these areas.

The areas served by main sewers and sewage disposal schemes are as for last year., i.e.

MULLION (part) THE LIZARD (part) COVERACK (part)
PRAZE and MABE.

All the above schemes were regularly maintained throughout the year and little trouble was experienced.

The cesspool emptying service, although relieved of one of its major problems at Oakland Park Estate, was kept at severe pressure during the whole of the year. The demand for the cesspool emptying service continues to rise and it is a very rare occasion when the waiting list falls below two or three days work. However, with the ready co-operation of all concerned, work and Office staff, the work was kept under reasonable control. The table below gives the effort in pure figures and one can only compliment all concerned for a dirty job well done.

No. of cesspits emptied.....957
No. of loads removed.....1952
Total gallonage.....1,561600

Refuse Collection.

As Cornwall becomes more appreciated as a holiday resort so the problem of refuse collection takes on a more complex nature. The question of litter takes on a new significance and new means have to be evolved to meet with this pressing demand. The normal collection of refuse during the summer season has become very much overloaded but I am happy to be able to report that the service was fully maintained and proved quite capable of dealing with all the demands made on it. One must again congratulate the drivers, collectors and tip staff on an excellent job well done. It was found possible to give the large hotels and camping sites an additional service which was greatly appreciated.

As in past years the Council operated two 10 cu.yd side loader vehicles giving a normal weekly service throughout the District. Tipping was carried out at Constantine, Boscreege, Bonython and Mullion and every effort was made to keep the tips in reasonable order. Due, no doubt, to the very dry summer considerable trouble was experienced with tip fires and the services of the fire brigade was often necessary. I would at this stage like to voice my appreciation for the prompt and efficient way this service met with all the demands made on it.

All tips were treated for the control of flies and rodents throughout the year

Total No. of loads of refuse collected.....1843.
Estimated total tonnage.....4238.

Disinfection of Houses.

As usual the use of insecticide spray was employed for the disinfection of property.

No. of properties involved..... 13
No. of visits made..... 27

Rat and Mice destruction.

The Council's part time Rodent Operator was able to deal with the periodic treatment of Council property, in addition to the numerous requests from private property owners, during the year.

Housing.

Considerable activity has taken place during the year in this field of work. Houses in the St. Keverne and Mabe areas have been inspected. It is regretted that a complete survey was not made in each area. However, considerable further inroads were made into the large number of unfit houses in the area and I feel that if the effort can be maintained the Council will, without doubt, reach its target of 500 houses dealt with in the first five year period.

Housing Grants have once more been a very important contributor towards improving housing standards throughout the District. The demand for Grants has been fully maintained and every encouragement has been given to house owners by way of advice and help to improve their properties.

No. of applications received..... 82
No. of applications approved..... 80
No. of applications in respect of which
works were completed in the year..... 47
No. of visits..... 534
Total approved expenditure..... £49,911 : 2 : 6
Total amount of Grants allocated..... £21,660.
Grant as a percentage..... 43%

SUMMARY OF IMPROVEMENT GRANTS 1955 - 1959.

	1955	1956	1957	1958	1959	total
No. of applications received	51	50	64	60	82	307
No. of applications approved	44	46	51	58	80	279
No. of applications in respect of which works were completed	23	39	50	56	47	215

Housing Act, 1957.

Clearance Areas declared and rehousing at St. Keverne.

During the year two Clearance Areas were declared :-

St. Keverne (Coverack) Clearance Area No 1 for 3 dwellings.
St. Keverne (Porthkerris) Clearance Area No 2 for 17 dwellings

In addition the 34 Council owned huts at Trelanvean were confirmed as unfit by the Ministry.

At St. Keverne the Housing Estate of 64 dwellings was completed and fully occupied by persons from 30 unfit dwellings (private) and the 34 hutments at Trelanvean Camp.

Housing Act,1957. (continued).

Section 9.

UNFIT HOUSES CAPABLE OF REPAIR
AT REASONABLE EXPENSE.

Houses made fit by Owner:
(i) after informal Notice.....
(ii) after formal Notice.....
Houses made fit by Local Authority.

1955	1956	1957	1958	1959	TOTAL
-	-	1	4	-	5
-	-	-	-	-	-
-	-	-	1	-	1
+	-	1	5	-	6

Section 16.

UNFIT HOUSES INCAPABLE OF REPAIR
AT REASONABLE EXPENSE.

(i) Houses made fit by owner after
submitting list of works for
Local Authority's approval..
(ii) Houses closed for human
habitation following
undertaking given by owner..

-	1	-	2	2	5
2	10	15	2	1	30

Section 17 (a) HOUSES DEMOLISHED

(i) by owner.....
(ii) by Local Authority.....

1	1	8	1	3	14
-	-	-	-	-	-

Section 17 (b) HOUSES CLOSED for
human habitation by
'Closing Order'.....

1	4	1	2	2	10
---	---	---	---	---	----

Section 18. PARTS OF HOUSES CLOSED...

-	-	-	-	-	-
---	---	---	---	---	---

Section 42. CLEARANCE AREAS.

Houses demolished:

(a) houses unfit for human
habitation.....
(b) houses included by reason
of bad arrangement.....
(c) houses on land acquired under
Section 43(2).....

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

4	16	24	7	8	59
---	----	----	---	---	----

Section 78. Overcrowding.

Cases which necessitated action
by the Local Authority..... Nil.

The Total No. of dwellinghouses in the district is 7038
made up as follows :-

Private.....6342
Council Houses..... 696
Council hutments..... 32

Meat Inspection - Carcasses inspected and condemned.

	Cattle excluding Cows.	Cows.	Calves.	Sheep & Lambs.	Pigs.
Number killed	: 1279	563	356	5686	3341
<u>All diseases except T.B.</u>					
Whole carcasses condemned	: -	2	1	5	3
Carcasses of which some part or organ was condemned					
	: 421	211	1	328	72
Percentage of the number inspected affected with disease other than T.B.					
	: 33	37	-	6	2
<u>Tuberculosis only.</u>					
Whole carcasses condemned	: 2	5	-	-	-
Carcasses of which some part or organ was condemned					
	: 40	107	-	-	84
Percentage of the number inspected affected with Tuberculosis					
	: 3	20	-	-	2

The carcasses referred to above were condemned for the following reasons and destroyed :-

One Cow	- Dropsy and severe bruising.
Five Cows	- Generalised tuberculosis.
One Cow	- Generalised Dropsy and Emaciation.
One Calf	- Acute Septic Peritonitis
One Sheep	- Acute Septic pneumonia.
One Sheep	- Peritonitis and Emaciation.
One Sheep	- Acute septic pleurisy
One Sheep	- Carcinoma and Dropsy.
One Sheep	- Severe bruising.
One Heifer	- Generalised Tuberculosis.
One Bull	- Generalised Tuberculosis.
Three pigs	- Septicaemia.

In addition to the above the following were found to be affected with Cysticercus Bovis and were sent for cold storage treatment :-

4 Steers
3 Cows
1 Heifer

SUMMARY OF CASES OF CYSTICERCUS BOVIS FOR THE YEARS 1953 - 1959.

Animal	1953	1954	1955	1956	1957	1958	1959	TOTAL
Steers	2	10	6	9	19	4	4	54
Heifers	5	3	-	3	2	-	1	14
Bulls	-	-	1	-	-	-	-	1
Cows	3	2	2	2	-	2	3	14
TOTAL	10	15	9	14	21	6	8	83

Individual Caravans; Caravan and Chalet Sites.

Caravans and chalets are now a familiar sight amongst the countryside and along the coast of the District with many tents being visible during the summer season. Control is through the Public Health Act, 1936, and the Town and Country Planning Act, 1947. Under the Public Health Act, 1936, the Council has the powers of making conditions, which must be fulfilled and maintained, for the licensing of sites and individual caravans.

The Public Health Committee in April, 1958, discussed Standards for Caravan Sites, 'The Cornwall Scheme', with a view to obtaining good standards and control of sites, for creating uniformity by all Local Authority's throughout Cornwall. This Council started action by inviting the Town and Country Planning Officers to a Meeting at 'The Willows' and then sending a resolution to the Cornwall Branch of the Public Health Inspector's Association asking for the original 'Cornwall Scheme' arrangements to be reviewed and improved.

Since that time many joint Meetings have taken place between the Town and Country Planning Officers and the Sub-Committee of the Cornwall Branch of the Public Health Inspector's Association, together with hearing observations from various interested bodies (The Site Operators Association, Caravan Club, Camping Club and Fire Brigade). This has now resulted in the issue of a 50 page report and new standards, with guidance for control and a method of attempting to get older sites improved so that the 'Cornwall Scheme' Sign throughout the County will represent to everyone a fair and equable standard of accommodation.

The 'Cornwall Scheme' and the issue of a site sign and the entry on the List of Approved Sites in Cornwall started 10 years ago, its purpose was to obtain minimum standards for caravan sites which would be for the benefit of the Site owner and holiday maker. At the time most Local Authority's worked to their own various standards for sites included in the 'Cornwall Scheme' of approved sites.

Having regard to the vast increase of caravan sites in Cornwall (from 149 in 1954 to 270 in 1958, and a National increase of caravans from 3,000 in 1938 to 180,000 in 1958) and in light of experience gained during this period, the joint Sub-Committee that has dealt with the preparing of this report has covered much ground and set a reasonable standard. It is suggested that sites that are somewhat below the 'Cornwall Scheme' standard should be given 2 years to improve their amenities or loose their approval in the 'Cornwall Scheme'.

During the course of creating these new standards, the Government appointed an Investigating Committee, lead by Sir Arton Wilson, into permanent sites; a great deal of evidence was submitted to his Committee and it is hoped that shortly the long overdue legislation will come about to set the standards and control of caravan sites on a proper national footing.

The general conditions of the new standards deal with such matters as:-

- (a) Layout and arrangement of Sites.
- (b) Construction and maintenance of buildings and caravans.
- (c) Sanitary accommodation; provision of water closets according to the number of caravans on the site; screening and marking of 'Ladies' and 'Gents' toilets.
- (d) Drainage and sewage disposal for water closets and waste water; various systems for 'Residential Sites' and 'Holiday Sites'.
- (e) Water supply; purity and adequacy; storage and number of standpipes needed.
- (f) Disposal of refuse; number of dustbins to be provided and arrangements for collection and disposal.
- (g) Prevention of nuisances, upkeep of site; cleanliness of site, buildings and caravans.

Individual Caravans; Caravan and Chalet Sites. (Continued)

These standards will be put to the Council for adoption early in 1960.

There are 19 approved Caravan Sites for ten or more caravans and 2 chalet Sites, which are as follows:-

Site	Caravans			Chalets	Water Supply	Sanitation.
	Total Allowed	All Year	Summer Only	Summer only		
Maen Valley, Budock.	169	44	125	12	Mains	W.C.'s
Manderley, Penjerrick, Budock. (Self contained Chalets)	--	--	--	20	Mains	W.C.'s
Two Chimneys, Prah Sands.	200	30	170	--	Adit	W.C.'s
Pengorsick, Prah Sands. (Proposed to increased to 130)	100	30	70	--	Mains	W.C.'s
Rinsey. (Ceased end of 1959)	30	--	30	--	Mains	W.C.'s
Kennack Sands, Kuggar.	55	4	54	--	Mains	W.C.'s
Bay View, Kennack Sands, Kuggar.	30	--	30	--	Mains	W.C.'s
Sea Acres, Kennack Sands, Kuggar.	24	--	24	--	Mains	W.C.'s
Chycarne Caravan Park, Kuggar.	30	--	30	--	Mains	W.C.'s
Gwendreath, Nr.Kennack Sands. (No.1 Site)	30	--	30	--	Mains	W.C.'s
-do- (No.2 Site)	30	--	30	--	Being developed.	Plans approved.
Gwendreath, Nr.Kennack Sands.	--	--	--	23	-do-	-do-
Culdrose Caravan Site, Melrose, Mawgan. (Developed for 25)	50	50	--	--	Mains	W.C.'s
Gilly Gabben, Mawgan.	16	16	--	--	Mains	W.C.'s
Trelil, Wendron.	20	20	--	--	Mains	W.C.'s
Little Cosaves, St.Gluyias.	40	15	25	--	Well & Spring	W.C.'s
Franchis, Cury. (Developed for 10)	45	--	45	--	Deep Well	W.C.'s
Mullich Cove.	30	8	22	--	Mains	W.C.'s
Red Triangle, Penhale Cross Roads.	30	--	30	--	Bore-hole.	W.C.'s
Tregullas Farm, Penhale Cross Roads.	10	--	10	--	Rain Water & Well	W.C.'s
Teedor Valley, Godolphin. (Site not developed)	25	--	25	--		
	964		750	55		

Of the eight sites containing permanent residential caravans, four (Trelil, Mullion Cove, Melrose and Gilly Gabben) are mainly used by Naval Personnel from Culdrose Fleet Air Arm Station.

In addition, there are 13 small licenced sites with six or less caravans and 41 individual licenced caravans.

Factories Act, 1937.

1. Inspections for the purposes of provisions as to health (including inspections made by Public Health Inspector).

Premises.	No. on Register	N u m b e r o f		
		Inspect-ions	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3, 4 & 6 are enforced by L.A.	10	4	-	-
(ii) Factories not included in (i) which Section 7 is enforced by the L.A.	43	19	5	-
(iii) Other premises in which Section 7 is enforced by L.A. (Excluding Outworkers premises)	-	-	-	-
TOTAL	53	23	5	-

2. Cases in which defects were found (if defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more 'cases').

	Number of cases in which defects were found.				No. of cases where prosecutions were instituted.
	Found	Remedied	To H.M. Insp:	By H.M. Insp:	
Want of cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences:					
(a) Insufficient	5	5	-	5	-
(b) Unsuitable or defective	-	-	-	-	-
(c) Not separate for sexes.	-	-	-	-	-
Other offences against the Act (not including offences relating to Outworkers).	-	-	-	-	-
TOTAL	5	5	-	5	-

Food and Drugs Act, 1955.

<u>ICE - CREAM.</u>	No. of premises newly registered for the sale and storage of Ice-Cream during the year.....	5
	TOTAL No. of premises that have been registered.....	125
	No. still used for the sale of Ice-Cream.....	104
	No. of the above premises registered included for the Manufacture of Ice-Cream.....	2
	66 samples were taken from various establishments during the year with the under-mentioned results:-	
	GRADE 1.....	35
	GRADE 2.....	24
	GRADE 3.....	7
	GRADE 4.....	-

Milk (Special Designation) Regulations.

Distributors Certificates granted during the year.....	2
No. of T.T.Dealer's licences issued during the year.....	27
No. of Pasteurised Dealer's licences issued during the year.....	32

Details of inspections carried out.

Choked drains, cesspools and drainage nuisances.....	209
New drainage systems inspected and advice given on construction of new drainage systems.....	193
Existing drainage systems tested and examined.....	11
Nuisances connected with houses.....	66
Nuisances from the accumulation of refuse.....	6
Nuisances from piggeries.....	2
Miscellaneous nuisances.....	1
Housing Act and Rent Act. - premises inspected and visits re matters connected therewith.....	266
Improvements Grants.....	344
Rats and Mice.....	6
Refuse collection, disposal and tips.....	107
Water Supply.....	66
Water Sampling.....	260

Details of inspections carried out (continued).

Milk and Dairies Regulations.....	6
Ice-Cream manufacturing premises and sampling.....	72
Shops and stalls selling Ice-Cream.....	8
Food premises (purposes other than for Ice-Cream).....	25
Slaughterhouses (inspection of meat, etc).....	718
Knackers Yard.....	62
Individual caravans, caravan sites, chalet sites and matters connected therewith.....	88
Factories and Workshops.....	5
Building Byelaws (other than drainage).....	448
Sewage disposal works, plants and sewers.....	113
Public Conveniences.....	94
Miscellaneous visits.....	97

Public Health Act, 1936.

Section 39.(Drainage matters).

Work in compliance with 2 Notices were completed during the year.

Informal Notices served.....11

Informal Notices complied with... 3

Section 93.(Nuisances).

Two Notices were complied with during the year.

Informal Notices served..... 4

Informal Notices complied with... 1

